

Kristin Alexander

From: jamesvaleriani [jamesvaleriani@comcast.net]
Sent: Monday, February 26, 2007 9:58 AM
To: Roland Bartl
Cc: Kristin Alexander; Kim DeNigro
Subject: FW: Acton N, MA relo

Hello Roland: We've followed up on the thought of somehow connecting to a utility pole in the street and Verizon Wireless's microwave engineering department has indicated that it is not a workable solution. We would also have concerns with the proximity of wetland areas, security of any equipment placed inside a public way, and the license-only interest that is granted for utility poles in public ways.

I'm reviewing the planning board and staff comments to ensure all final comments/revisions (mostly minor in nature, I think) can be shown on the plan, if not for tomorrow night, then for shortly thereafter.

Please feel free to call or email with any other matters or comments prior to tomorrow night's hearing.

Thanks.

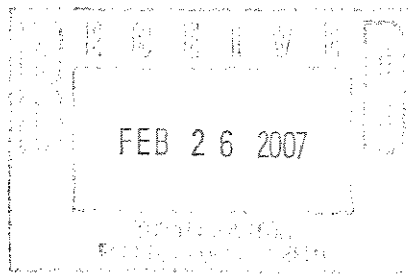
Sincerely,

Jim Valeriani

*James A. Valeriani
Attorney at Law
10 Arthur Road
Wakefield, MA 01880
ph (781) 587 - 0206
fx (781) 587 - 0207
jamesvaleriani@comcast.net*

2/26/2007

Network



Verizon Wireless
400 Friberg Parkway
Westborough, MA 01581

February 19, 2007

On running a microwave hop to the nearest utility pole:

We cannot install a microwave hop that is not above the local tree line, typically 85 feet in this area. Utility poles are going to be below that height, and because of restrictions we wouldn't be placing a dish on the top of an existing pole either. With a low path height, even if it may work today, the tree growth along the path will eventually knock it off the air. An absolutely clear line of sight is required.

Although a 1-foot dish size would likely be adequate, the associated equipment would be too large to be mounted on the utility pole, and would need to be placed in a ground-mounted cabinet. We have never installed microwave equipment in anything smaller than a walk-in shelter. Smaller cabinets are available, which could house the ground portion of the microwave radio, the telecom multiplexer, and backup battery string which is a Verizon Wireless requirement to provide reliability. The lack of a backup generator at this utility pole site would also mean that the associated cell site would be out of service after an extended power outage, against the Verizon Wireless policy that cell sites have full generator backup.

In summary, this short-haul-microwave-to-a-utility-pole solution will not meet our requirements for network reliability.

Regards,

Rich Weiland

Microwave Engineer
New England East
508 330 3398 office
617 571 9265 mobile
508 330 3405 fax